

VICTREX™ PEEK **COMPRESSOR SOLUTIONS** **FOR NEXT-GENERATION** **LOW-GWP REFRIGERENTS**

Global policy is driving the use of low global warming potential (GWP) refrigerants, to preserve, protect and improve the quality of the environment ^[1].

But can the metal components in your compressors cope with harsh, flammable refrigerants?





We understand the issues that corrosive low-GWP refrigerants, such as ammonia (NH₃), can cause to the performance of compressors with metal components.

We are seeing a growing trend where compressor components are being redesigned with **VICTREX™ PEEK** high performance polymers. This is to replace metal components designed for R22 and similar refrigerants that can no longer operate with low-GWP alternatives. Applications that could benefit from redesign with a high performance polymer include:

- Thrust washers
- Bushings
- Bearings



CHEMICAL RESISTANCE

Withstands wide range of refrigerants, including corrosive low GWP refrigerants such as ammonia (NH₃), without impairing performance



LOW FLAMMABILITY

Withstands continuous use temperature up to 260°C (500°F) and has low flammability (UL 94 rating: V-0)



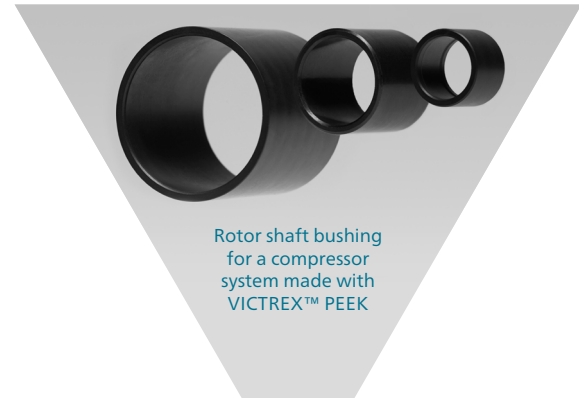
LOW FRICTION & WEAR

Means no need for additional lubricants to keep your compressors running optimally

Looking to redesign legacy compressor components?

Ask us to assist you with your cost-benefits analysis to help you justify the switch to VICTREX PEEK™ polymers and start realizing the benefits and savings:

victrex.com/compressor-solutions



Rotor shaft bushing for a compressor system made with VICTREX™ PEEK